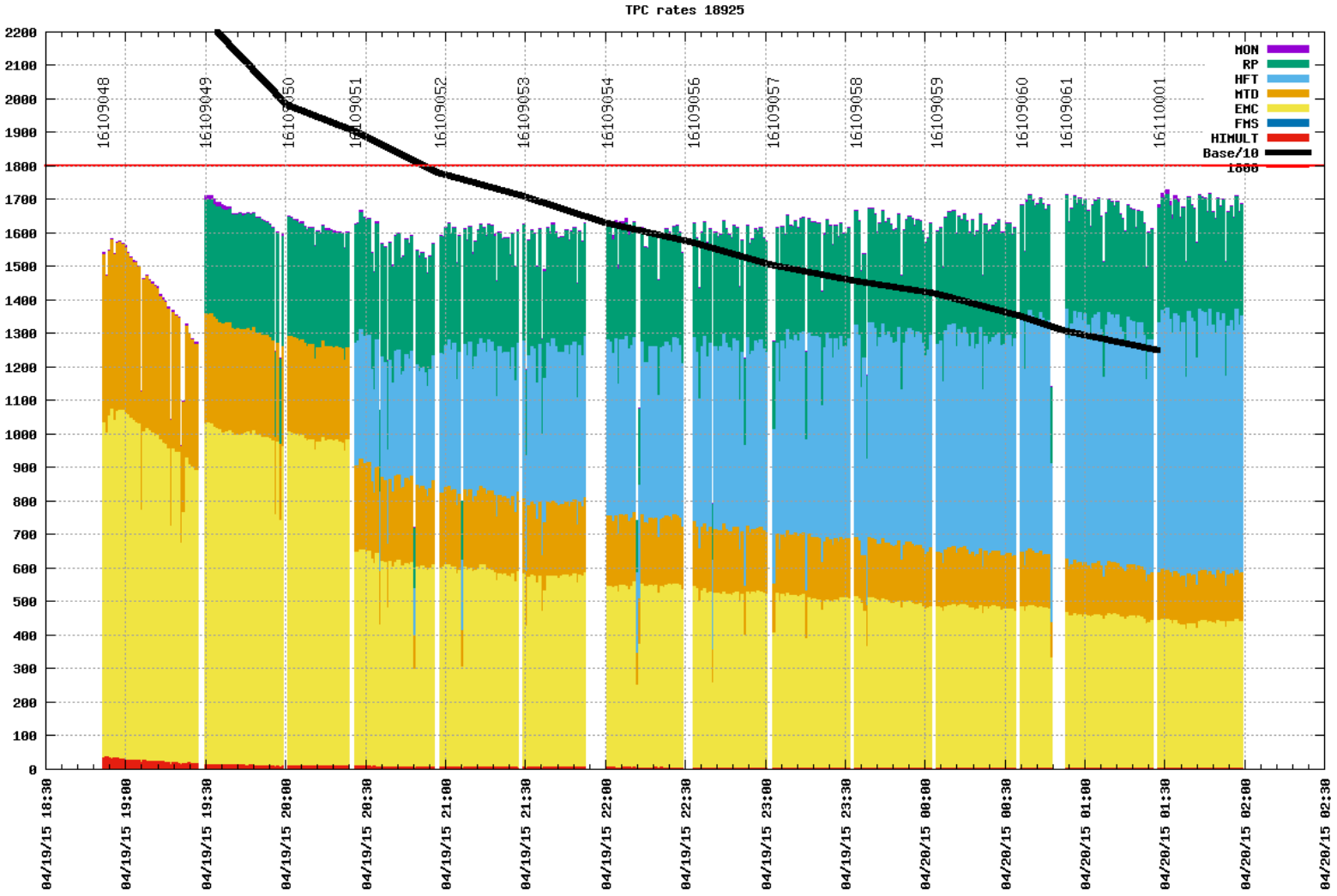
STAR status

Mustafa Mustafa
LBL

Time Meeting
2015, Apr. 21st

We had a productive week

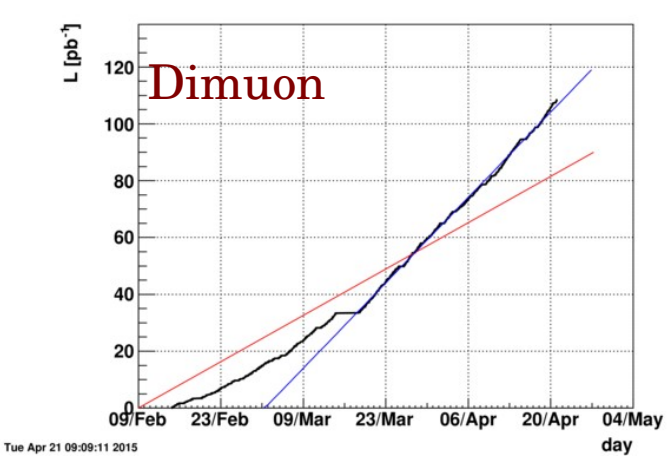


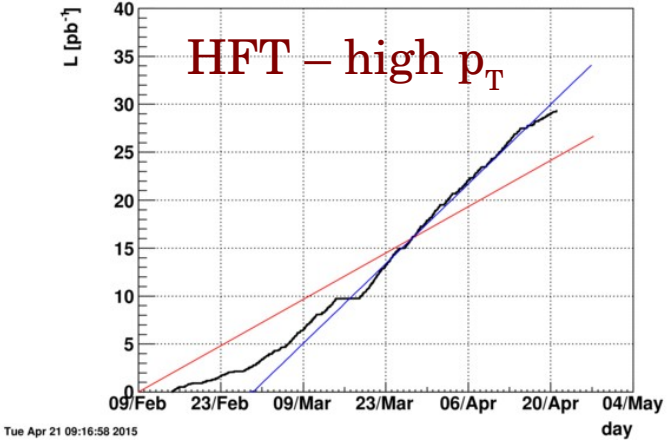
Unpolarized p+p:

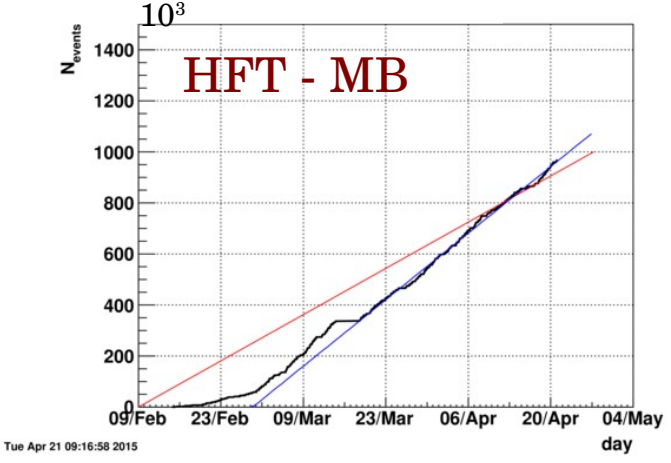
- We continue to take data with our rare triggers.

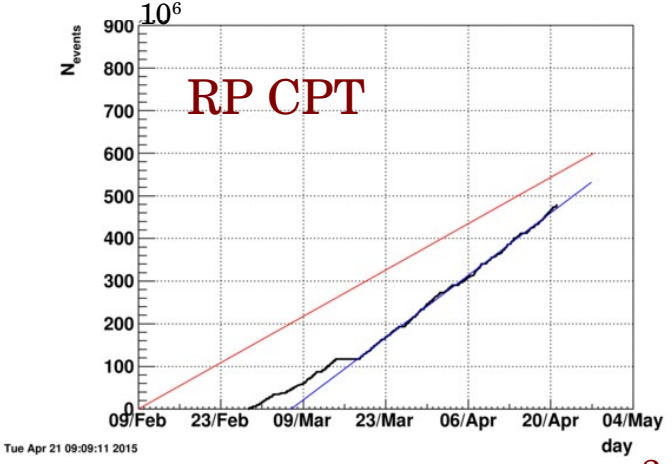
- HFT triggers bandwidth modified to guarantee that we reach our goals by the end of the p+p run.

- RP triggers approaching the goal.



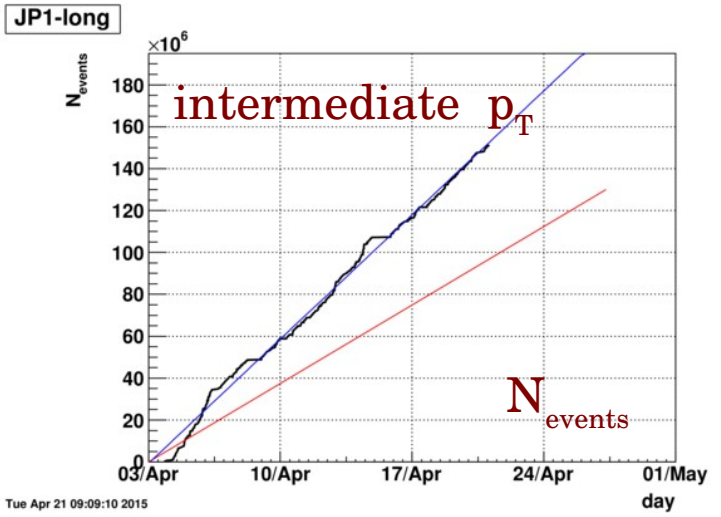


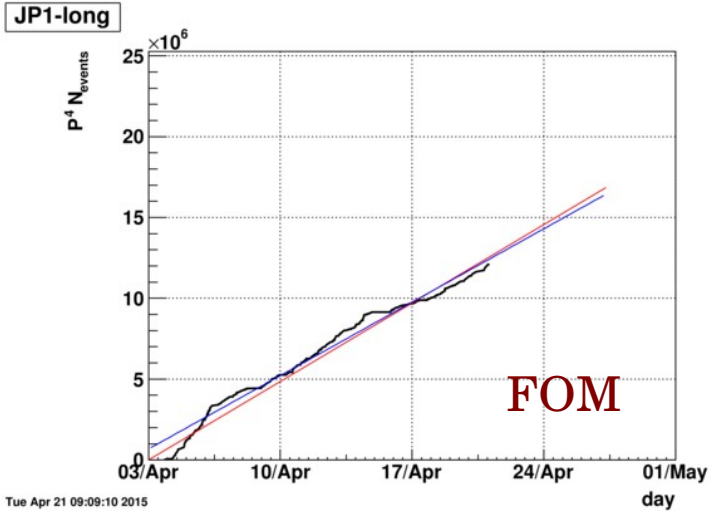




Longitudinally Polarized p+p:

- JP1 (intermediate p_T) trigger rate modified to compensate for the low polarization.



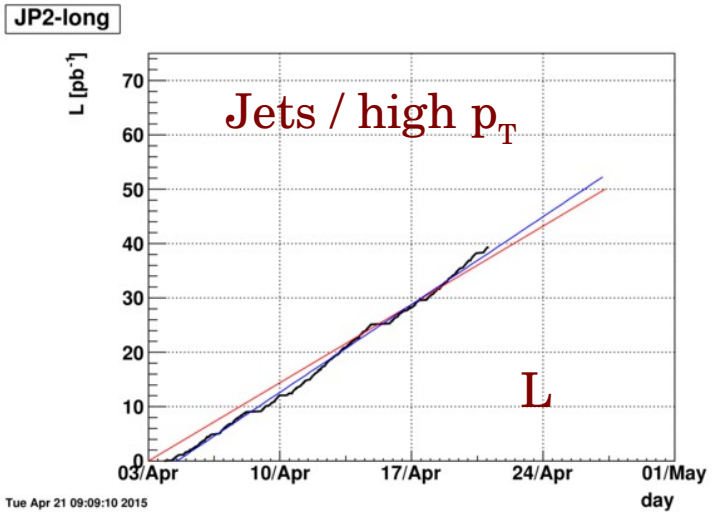


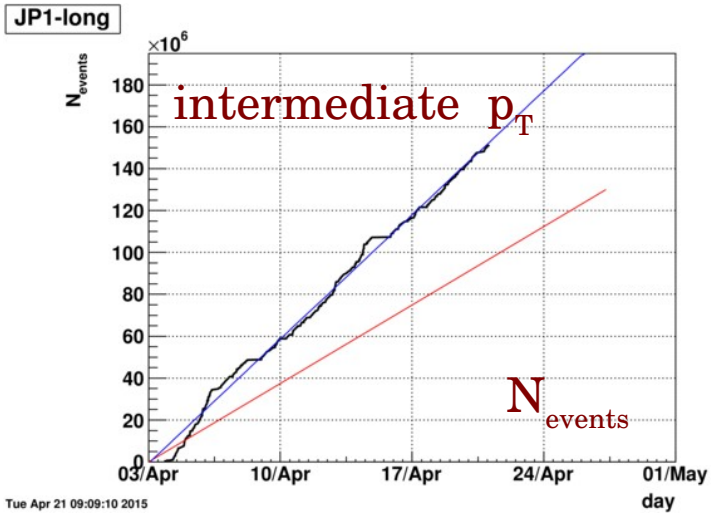
Longitudinally Polarized p+p:

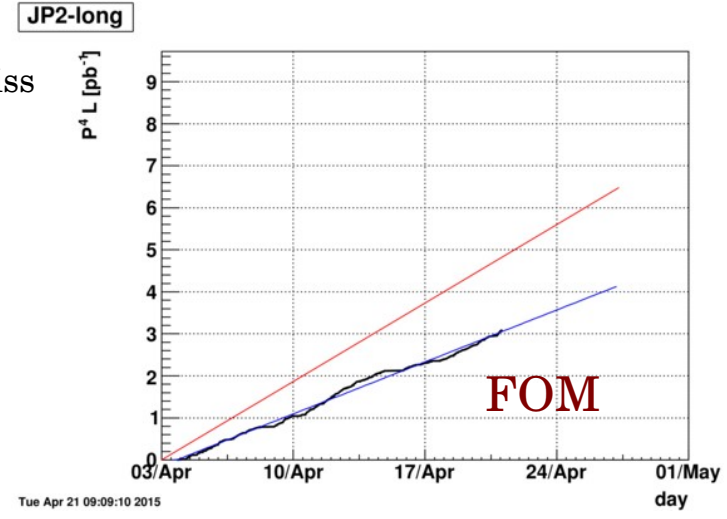
- JP1 (intermediate p_T) trigger rate modified to compensate for the low polarization.

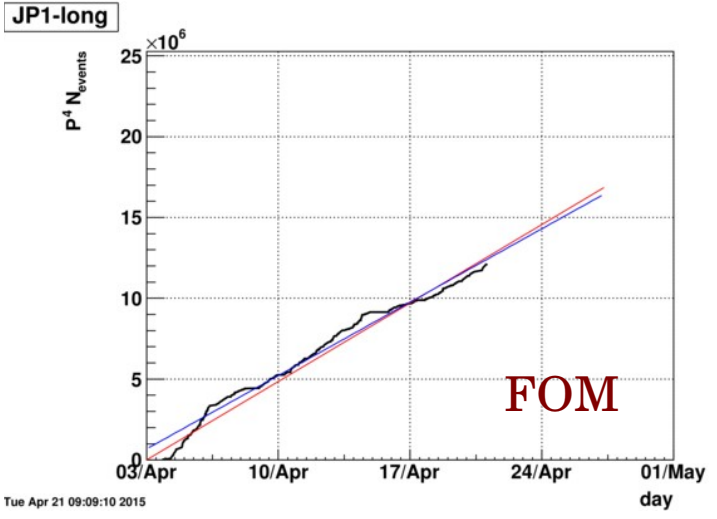
- We continue to efficiently sample all delivered luminosity with our JP2 trigger.

- At the current rate we will miss the delivered FOM goal significantly.









Elastic scattering data

- Collected 9 M elastic triggers at the end of a store last Thursday.
- Three vernier scans were performed.
- Roman Pots were moved to 18 mm from the beam for the last 1.5 hrs of data taking => ≈ 6σ of the beam.
- $t_{min} \approx 0.02$ (GeV/c)^2.
- It was a very smooth data taking period.
- We expect good total and elastic measurement from RHIC based on the above data set.

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THANK YOU!

Preparation for p+A

- We have started testing our trigger configurations for p+A.